

SYSTEM HAVING A ROTATING OPTICAL SYSTEM AND A NON-
PLANAR PRISM THAT ARE USED TO OBTAIN PRINT AND OTHER
HAND CHARACTERISTIC INFORMATION

ABSTRACT OF THE DISCLOSURE

A rotating optical system includes an optical element and a measuring device for locating and/or scanning a full palm print and/or full palm and fingerprint for a hand positioned on a non-planar surface of an optical element. The hand is placed on the non-planar surface of the optical element. A measuring device can be rotated about a centerline axis of the optical element. During the rotation, a circular image of the full palm print (including thenar, hypothenar, interdigital, palm heel, "writers palm," palm pocket, and fingertips) and/or full palm and finger prints, and/or hand characteristic information (e.g., hand geometry, spacing, etc.) can be captured by the measuring portion.

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